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Complete Listing of all claims, with markings and status identifiers (Currently amended claims showing deletions by underlining)

- 1 (original): A method of decreasing body weight in a patient, said method comprising administering a therapeutically effective amount of somatostatin or a somatostatin agonist to said patient.
- 2 (original): A method of claim 1, wherein said method comprises administering a therapeutically effective amount of a somatostatin agonist to said patient.
- 3 (original): A method of claim 2, wherein said somatostatin agonist is a somatostatin type-2 receptor agonist.
- 4 (original): A method of claim 2, wherein said somatostatin agonist is a somatostatin type-5 receptor agonist.
- 5 (original): A method of claim 3, wherein said somatostatin type-2 receptor agonist has a Ki of less than 2 nM for the somatostatin type-2 receptor.
- 6 (original): A method of claim 4, wherein said somatostatin type-5 receptor agonist has a Ki of less than 2 nM for the somatostatin type-5 receptor.
- 7 (original): A method of claim 2, wherein said somatostatin agonist is a somatostatin type-2 receptor selective agonist.
- 8 (original): A method of claim 2, wherein said somatostatin agonist is a somatostatin type-5 receptor selective agonist.
 - 9 (original): A method of claim 7, wherein said

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somatostatin type-2 receptor selective agonist has a Ki for the somatostatin type-2 receptor that is at least 10 times less than the Ki for the somatostatin type-1, type-3, type-4, and type-5 receptors.

- 10 (original): A method of claim 8, wherein said somatostatin type-5 receptor selective agonist has a Ki for the somatostatin type-5 receptor that is at least 10 times less than the Ki for the somatostatin type-1, type-2, type-3, and type-4 receptors.
- 11 (original): A method of decreasing body weight in a patient, said method comprising administering a therapeutically effective amount of H-Cys-Phe-Phe-D-Trp-Lys-Thr-Phe-Cys-NH2, wherein a disulfide bond exists between the free thiols of two Cys residues.
- 12 (currently amended): A method of claim 1, wherein said patient is an a non-insulin-dependent diabetic human.
- 13 (currently amended): A method of claim 2, wherein said patient is an a non-insulin-dependent diabetic human.
- 14 (currently amended): A method of claim 3, wherein said patient is an a non-insulin-dependent diabetic human.
- 15 (currently amended): A method of claim 4, wherein said patient is an a non-insulin-dependent diabetic human.
- 16 (currently amended): A method of claim 5, wherein said patient is an a non-insulin-dependent diabetic human.
- 17 (currently amended): A method of claim 6, wherein said patient is an a non-insulin-dependent diabetic human.

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- 18 (currently amended): A method of claim 7, wherein said patient is an a non-insulin-dependent diabetic human.
- 19 (currently amended): A method of claim 8, wherein said patient is an a non-insulin-dependent diabetic human.
- 20 (currently amended): A method of claim 9, wherein said patient is an <u>a</u> non-insulin-dependent diabetic human.
- 21 (currently amended): A method of claim 10, wherein said patient is an a non-insulin-dependent diabetic human.
- 22 (currently amended): A method of claim 11, wherein said patient is an a non-insulin-dependent diabetic human.
- 23 (currently amended): A method according to claim 1 wherein the somatostatin agonist is

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\label{eq:h-D-S-Nal-Cys-Tyr-D-Trp-Lys-Thr-Cys-Thr-NH2} \textbf{H-D-S-Nal-Cys-Tyr-D-Trp-Lys-Thr-Cys-Thr-NH2},
```

$$H-D-Phe-Cys-Phe-D-Trp-Lys-Thr-Cys-S-Nal-NH2$$
,

$$\label{eq:h-D-Phe-Cys-Tyr-D-Trp-Lys-Thr-Cys-S-Nal-NH2} \textbf{H-D-Phe-Cys-Tyr-D-Trp-Lys-Thr-Cys-S-Nal-NH2},$$

$$\hbox{H-D-Phe-Cys-Phe-D-Trp-Lys-Thr-Pen-Thr-OH,}\\$$

$$H-D-Phe-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH_2$$
,

$$\label{eq:hed-Trp-Lys-Thr-Cys-Thr-NH2} \textbf{H-D-Trp-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH2},$$

$$\label{eq:hebbs} \mbox{H-D-Phe-Cys-Tyr-D-Trp-Lys-Val-Cys-Thr-NH}_2,$$

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Ac-D-Phe-Lys'-Tyr-D-Trp-Lys-Val-Asp-Thr-NH, (an amide bridge formed
between Lys and Asp),
Ac-hArg(Et),-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH,,
Ac-D-hArg(Et),-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH,,
Ac-D-hArg(Bu)-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH,,
Ac-D-hArg(Et),-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH,,
Ac-L-hArg(Et),-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH2,
Ac-D-hArg(CH<sub>2</sub>CF<sub>3</sub>)<sub>2</sub>-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH<sub>2</sub>,
Ac-D-hArg(CH,CF,),-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH,,
Ac-D-hArg(CH,CF,),-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Phe-NH,,
Ac-D-hArg(CH,CF,),-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NHEt,
Ac-L-hArg(CH,-CF,),-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH,,
Ac-D-hArg(CH,CF,),-Gly-Cys-Phe-D-Trp-Lys(Me)-Thr-Cys-Thr-NH,,
Ac-D-hArg(CH,CF,),-Gly-Cys-Phe-D-Trp-Lys(Me)-Thr-Cys-Thr-NHEt,
Ac-hArg(CH, hexyl)-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH,
H-hArg(hexyl,)-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH,
Ac-D-hArg(Et),-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NHEt,
Ac-D-hArg(Et),-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Phe-NH,,
Propionyl-D-hArg(Et),-Gly-Cys-Phe-D-Trp-Lys(iPr)-Thr-Cys-Thr-NH,,
Ac-D-\(\beta\)-Nal-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Gly-hArg(Et),-NH,,
Ac-D-Lys(iPr)-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH,,
Ac-D-hArg(CH,CF,),-D-hArg(CH,CF,),-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-
Thr-NH,
Ac-D-hArg(CH,CF,),-D-hArg(CH,CF,),-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-
Phe-NH,
Ac-D-hArg(Et),-D-hArg(Et),-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH,,
Ac-Cys-Lys-Asn-4-Cl-Phe-Phe-D-Trp-Lys-Thr-Phe-Thr-Ser-D-Cys-NH,,
H-Bmp-Tyr-D-Trp-Lys-Val-Cys-Thr-NH,,
H-Bmp-Tyr-D-Trp-Lys-Val-Cys-Phe-NH,,
H-Bmp-Tyr-D-Trp-Lys-Val-Cys-p-Cl-Phe-NH,
H-Bmp-Tyr-D-Trp-Lys-Val-Cys-ß-Nal-NH,,
H-D-S-Nal-Cys-Tyr-D-Trp-Lys-Val-Cys-Thr-NH,
H-D-Phe-Cys-Tyr-D-Trp-Lys-Abu-Cys-Thr-NH,,
H-D-Phe-Cys-Tyr-D-Trp-Lys-Abu-Cys-S-Nal-NH,,
H-pentafluoro-D-Phe-Cys-Tyr-D-Trp-Lys-Val-Cys-Thr-NH,,
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Ac-D-S-Nal-Cys-pentafluoro-Phe-D-Trp-Lys-Val-Cys-Thr-NH,,
H-D-S-Nal-Cys-Tyr-D-Trp-Lys-Val-Cys-S-Nal-NH,
H-D-Phe-Cys-Tyr-D-Trp-Lys-Val-Cys-S-Nal-NH,
H-D-S-Nal-Cys-Tyr-D-Trp-Lys-Abu-Cys-Thr-NH,,
H-D-p-Cl-Phe-Cys-Tyr-D-Trp-Lys-Abu-Cys-Thr-NH,
Ac-D-p-Cl-Phe-Cys-Tyr-D-Trp-Lys-Abu-Cys-Thr-NH,
H-D-Phe-Cys-S-Nal-D-Trp-Lys-Val-Cys-Thr-NH,,
H-D-Phe-Cys-Tyr-D-Trp-Lys-Cys-Thr-NH,
cyclo(Pro-Phe-D-Trp-N-Me-Lys-Thr-Phe),
cyclo(Pro-Phe-D-Trp-N-Me-Lys-Thr-Phe),
cyclo(Pro-Phe-D-Trp-Lys-Thr-N-Me-Phe),
cyclo(N-Me-Ala-Tyr-D-Trp-Lys-Thr-Phe),
cyclo(Pro-Tyr-D-Trp-Lys-Thr-Phe),
cyclo(Pro-Phe-D-Trp-Lys-Thr-Phe),
cyclo(Pro-Phe-L-Trp-Lys-Thr-Phe) (SEQ ID NO:1),
cyclo(Pro-Phe-D-Trp(F)-Lys-Thr-Phe),
cyclo(Pro-Phe-Trp(F)-Lys-Thr-Phe) (SEQ ID NO:2),
cyclo(Pro-Phe-D-Trp-Lys-Ser-Phe),
cyclo(Pro-Phe-D-Trp-Lys-Thr-p-Cl-Phe),
cyclo(D-Ala-N-Me-D-Phe-D-Thr-D-Lys-Trp-D-Phe),
cyclo(D-Ala-N-Me-D-Phe-D-Val-Lys-D-Trp-D-Phe),
cyclo(D-Ala-N-Me-D-Phe-D-Thr-Lys-D-Trp-D-Phe),
cyclo(D-Abu-N-Me-D-Phe-D-Val-Lys-D-Trp-D-Tyr),
cyclo(Pro-Tyr-D-Trp-t-4-AchxAla-Thr-Phe),
cyclo(Pro-Phe-D-Trp-t-4-AchxAla-Thr-Phe),
cyclo(N-Me-Ala-Tyr-D-Trp-Lys-Val-Phe),
cyclo(N-Me-Ala-Tyr-D-Trp-t-4-AchxAla-Thr-Phe),
cyclo(Pro-Tyr-D-Trp-4-Amphe-Thr-Phe),
cyclo(Pro-Phe-D-Trp-4-Amphe-Thr-Phe),
cyclo(N-Me-Ala-Tyr-D-Trp-4-Amphe-Thr-Phe),
cyclo(Asn-Phe-Phe-D-Trp-Lys-Thr-Phe-Gaba),
cyclo(Asn-Phe-Phe-D-Trp-Lys-Thr-Phe-Gaba-Gaba),
cyclo(Asn-Phe-D-Trp-Lys-Thr-Phe),
cyclo(Asn-Phe-Phe-D-Trp-Lys-Thr-Phe-NH(CH,),CO),
cyclo(Asn-Phe-Phe-D-Trp-Lys-Thr-Phe-ß-Ala),
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cyclo(Asn-Phe-Phe-D-Trp-Lys-Thr-Phe-D-Glu)-OH,
cyclo(Phe-Phe-D-Trp-Lys-Thr-Phe),
cyclo(Phe-Phe-D-Trp-Lys-Thr-Phe-Gly),
cyclo(Phe-Phe-D-Trp-Lys-Thr-Phe-Gaba),
cyclo(Asn-Phe-Phe-D-Trp-Lys-Thr-Phe-Gly),
cyclo(Asn-Phe-Phe-D-Trp(F)-Lys-Thr-Phe-Gaba),
cyclo(Asn-Phe-Phe-D-Trp(NO,)-Lys-Thr-Phe-Gaba),
cyclo(Asn-Phe-Phe-Trp(Br)-Lys-Thr-Phe-Gaba) (SEQ ID NO:3),
cyclo(Asn-Phe-Phe-D-Trp-Lys-Thr-Phe(I)-Gaba),
cyclo(Asn-Phe-Phe-D-Trp-Lys-Thr-Tyr(But)-Gaba),
cyclo(Bmp-Lys-Asn-Phe-Phe-D-Trp-Lys-Thr-Phe-Thr-Pro-Cys)-OH,
cyclo(Bmp-Lys-Asn-Phe-Phe-D-Trp-Lys-Thr-Phe-Thr-Pro-Cys)-OH,
cyclo(Bmp-Lys-Asn-Phe-Phe-D-Trp-Lys-Thr-Phe-Thr-Tpo-Cys)-OH,
cyclo(Bmp-Lys-Asn-Phe-Phe-D-Trp-Lys-Thr-Phe-Thr-MeLeu-Cys)-OH,
cyclo(Phe-Phe-D-Trp-Lys-Thr-Phe-Phe-Gaba),
cyclo(Phe-Phe-D-Trp-Lys-Thr-Phe-D-Phe-Gaba),
cyclo(Phe-Phe-D-Trp(5F)-Lys-Thr-Phe-Phe-Gaba),
cyclo(Asn-Phe-Phe-D-Trp-Lys(Ac)-Thr-Phe-NH-(CH,),-CO),
cyclo(Lys-Phe-Phe-D-Trp-Lys-Thr-Phe-Gaba),
cyclo(Lys-Phe-Phe-D-Trp-Lys-Thr-Phe-Gaba),
cyclo(Orn-Phe-Phe-D-Trp-Lys-Thr-Phe-Gaba),
H-Cys-Phe-Phe-D-Trp-Lys-Thr-Phe-Cys-NH, ,
H-Cys-Phe-Phe-D-Trp-Lys-Ser-Phe-Cys-NH, ,
H-Cys-Phe-Tyr-D-Trp-Lys-Thr-Phe-Cys-NH, or
H-Cys-Phe-Tyr(I)-D-Trp-Lys-Thr-Phe-Cys-NH, .
          24 (original):
                               A method according to claim 1
wherein the somatostatin agonist is
       A^{1}-A^{2}-A^{3}-D-Trp-Lys-A^{6}-A^{7}-A^{8}-R,
wherein
     A is a D- or L- isomer of Ala, Leu, Ile, Val, Nle, Thr,
Ser, ß-Nal, ß-Pal, Trp, Phe, 2,4-dichloro-Phe, pentafluoro-Phe,
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p-X-Phe, or o-X-Phe, wherein X is CH₃, Cl, Br, F, OH, OCH₃ or NO₂;

A² is Ala, Leu, Ile, Val, Nle, Phe, ß-Nal, pyridyl-Ala, Trp,

2,4-dichloro-Phe, pentafluoro-Phe, o-X-Phe, or p-X-Phe, wherein X is CH₃, Cl, Br, F, OH, OCH₃ or NO₂;

A³ is pyridyl-Ala, Trp, Phe, ß-Nal, 2,4-dichloro-Phe, pentafluoro-Phe, o-X-Phe, or p-X-Phe, wherein X is CH₃, Cl, Br, F, OH, OCH, or NO,;

A⁶ is Val, Ala, Leu, Ile, Nle, Thr, Abu, or Ser;

 A^7 is Ala, Leu, Ile, Val, Nle, Phe, ß-Nal, pyridyl-Ala, Trp, 2,4-dichloro-Phe, pentafluoro-Phe, o-X-Phe, or p-X-Phe, wherein X is CH₃, Cl, Br, F, OH, OCH₃ or NO₂;

A⁸ is a D- or L-isomer of Ala, Leu, Ile, Val, Nle, Thr, Ser, Phe, ß-Nal, pyridyl-Ala, Trp, 2,4-dichloro-Phe, pentafluoro-Phe, p-X-Phe, or o-X-Phe, wherein X is CH₃, Cl, Br, F, OH, OCH₃ or NO₂;

each R_1 and R_2 , independently, is H, lower acyl or lower alkyl; and R_3 is OH or NH_2 ; provided that at least one of A^1 and A^8 and one of A^2 and A^7 must be an aromatic amino acid; and further provided that A^1 , A^2 , A^7 and A^8 cannot all be aromatic amino acids.

25 (original): A method according to claim 24 wherein the linear somatostatin agonist is

H-D-Phe-p-chloro-Phe-Tyr-D-Trp-Lys-Thr-Phe-Thr-NH,,

H-D-Phe-p-NO,-Phe-Tyr-D-Trp-Lys-Val-Phe-Thr-NH,,

H-D-Nal-p-chloro-Phe-Tyr-D-Trp-Lys-Val-Phe-Thr-NH,,

H-D-Phe-Phe-Phe-D-Trp-Lys-Thr-Phe-Thr-NH,,

H-D-Phe-Phe-Tyr-D-Trp-Lys-Val-Phe-Thr-NH,,

H-D-Phe-p-chloro-Phe-Tyr-D-Trp-Lys-Val-Phe-Thr-NH, or

H-D-Phe-Ala-Tyr-D-Trp-Lys-Val-Ala-&-D-Nal-NH,.

26 (original): A method according to claim 1 wherein the somatostatin agonist is

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$${\tt HO\,(CH_2)_2-N} \\ {\tt N-(CH_2)_2-SO_2-D-Phe-Phe-Phe-D-Trp-Lys-Thr-Phe-Thr-NH_2} \\$$

or

 ${\tt HO\,(CH_2)_2-N} \\ \\ {\tt N-\,(CH_2)_2-SO_2-D-Phe-Cys-Tyr-D-Trp-Lys-Abu-Cys-Thr-NH_2} \\ \\$

27 (original): A method according to claim 1 wherein said patient is obese.

28 (original): A method according to claim 3 wherein said patient is obese.

29 (original): A method according to claim 4 wherein said patient is obese.

30 (original): A method according to claim 7 wherein said patient is obese.

31 (original): A method according to claim 8 wherein said patient is obese.

32 (original): A method according to claim 11 wherein said patient is obese.

33 - 37 (canceled)